

## ABSTRACT OF THE DISCLOSURE

5 The present invention provides a capillary electrophoresis system comprising: a wafer part having passages filled with buffer solution for introducing sample solutions; a body having a configuration suitable to removably hold and to move said wafer part attached in a relative manner, wherein said body includes: first and second electrodes for applying a voltage across both ends of passages of said wafer part to separate and take out said sample solution; and first and second buffer reservoirs conductive to said passages of said wafer part at a specific position for filling buffer solution around said first and second electrodes. The system in accordance with the present invention facilitate washing of electrophoresis passages and allows the time and labor cost required for replacement of the fused-silica wafers. The system also simplifies the operation of sample introducing to allow a plurality of sample solutions to be analyzed in a shorter time.